

S/N 09/040,539

1. (Amended) A window display device which displays image data on a display screen, comprising:

a first sub—screen displaying a first area of image data;

a main screen displaying a part of said first area with enlargement;

a second sub—screen displaying a second area which is adjacent to said first area;

a first sub—screen image window for displaying [an] said part of said first area displayed in said main screen with a display indicating frame on said first sub—screen;

a main screen image window for moving said display indicating frame and said displayed part of said first area within said main screen in correspondence to an output representing movement of a pointing device as notified by said first sub-screen window, said first sub-screen window causing said display indicating frame to be moved within said first sub-screen while said pointing device is in dragging state; and

a second sub-screen image window for displaying said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen.

2. A window display device which displays image data having a page delimiter on a display screen, comprising:

a first sub-screen displaying a first area of image data in a sub-screen column;

a main screen displaying a part of said first area with enlargement;

a second sub-screen displaying in said sub-screen column a second area which is adjacent to said first area;

a first sub-screen image window for displaying a reduced image of a page which is currently displayed on said main screen with said first area displayed in said main screen indicated by a display indicating frame;

a main screen image window for moving said display indicating frame and said display area within said main screen in correspondence to an output representing movement of a pointing device as notified by said first sub—screen window, said first sub—screen window causing said display indicating frame to be moved within the same page while said pointing device is in dragging state;

S/N 09/040,539

a second sub-screen image window for displaying said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen;

a display screen parent window operative when said pointing device has dropped said display indicating frame at an arbitrary place on said second sub-screen to which said pointing device moved, for switching said main screen to the page to which said pointing device moved and displaying the place indicated by said display indicating frame in said main screen; and

a sub-screen parent window for scrolling said sub-screen so that the sub-screen of the page displayed on said main screen comes to a predetermined position of said sub-screen column.

3. The window display device of Claim 2 in which said subscreen parent window scrolls said sub-screen so that the subscreen of the page displayed on said main screen comes to substantially the central position of said sub-screen column.

4. A window display method of displaying image data on a display screen of a display device having a first sub—screen displaying a first area of image data, a main screen displaying a part of said first area with enlargement and a second sub—screen displaying a second area which is adjacent to said first area, said window display method comprising the steps of:

displaying an area displayed in said main screen with a display indicating frame on said first sub-screen;

moving said display indicating frame and the display area within said main screen in correspondence to the movement of a pointing device which causes said display indicating frame to be moved within said first sub-screen while said pointing device is in dragging state; and

displaying said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen.

5. A window display method of displaying image data having a page delimiter on a display screen of a display device having a main screen displaying a part of a page with enlargement, a first sub-screen displaying the image of that page in a sub—screen column and a

S/N 09/040,539

second sub-screen displaying one or more second areas which is adjacent to said page, said window display method comprising the steps of:

displaying a reduced image of a page which is currently displayed on said main screen with the area displayed in said main screen indicated by a display indicating frame;

moving said display indicating frame and said display area within said main screen in correspondence to the movement of a pointing device which causes said display indicating frame to be moved within the same page while said pointing device is in dragging state;

displaying said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen;

switching said main screen to the page to which said pointing device moved to display the place indicated by said display indicating frame in said main screen when said pointing device has dropped said display indicating frame at an arbitrary place on said second sub-screen to which the pointing device moved to display the place indicated by said display indicating frame in said main screen; and

scrolling said sub—screen so that the sub-screen of the page displayed on said main sub-screen comes to a predetermined position of said sub—screen column.

6. A recording medium recording a display control program for operating a computer system having a display device for displaying image data on a display screen of said display device, said display control program causing said computer system to:

display a first sub—screen displaying a first area of image data;

display a main screen displaying a part of said first area with enlargement;

display a second sub-screen displaying a second area which is adjacent to said first area;

display the area displayed in said main screen on said first sub-screen with a display indicating frame;

move said display indicating frame and said display area within said main screen in correspondence to the movement of a pointing device which causes said display indicating frame to be moved within said first sub-screen while said pointing device is in dragging state; and

display said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen.

S/N 09/040,539

7. A recording medium recording a display control program for operating a computer system having a display device for image data having a page delimiter on a display screen of a display device, said display control program causing said computer system to:

display a main screen displaying a part of a page with enlargement;

display first sub-screen displaying the image of that page in a sub-screen column;

display a second sub—screen displaying one or more second areas which is adjacent to said page in said sub-screen column;

display a reduced image of a page which is currently displayed on said main screen with the area displayed in said main screen indicated by a display indicating frame;

move said display indicating frame and said display area within said main screen in correspondence to the movement of a pointing device which causes said display indicating frame to be moved within the same page while said pointing device is in dragging state;

display said display indicating frame in said second sub-screen when said pointing device has moved said display indicating frame by dragging it into said second sub-screen;

switching said main screen to the page to which said pointing device moved to display the place indicated by said display indicating frame in said main screen, when said pointing device has dropped said display indicating frame at an arbitrary place on said second sub-screen to which said pointing device moved; and

scroll said sub-screen so that the sub-screen of the page displayed on said main sub-screen comes to a predetermined position of said sub-screen column.

8. A window display device according to claim 1, wherein said display indicating frame may be moved in all directions in a plane of the window display device whereby said display indicating frame is not limited to lateral movement in said plane.

9. (Amended) A window display device which displays image data on a display screen, comprising:

a first sub—screen displaying a first area of image data;

a main screen displaying a part of said first area with enlargement;

a second sub—screen displaying a second area which is adjacent to said first area;

a first sub—screen image window for displaying an area displayed in said main screen with a display indicating frame on said first sub—screen;